

# Senniger, Powers, Leavitt & Roedel

Attorneys at Law

Patents, Trademarks, Copyrights,  
Technology Law, Antitrust, Litigation

One Metropolitan Square, 16th Floor  
Saint Louis, Missouri 63102

Telephone: 314-231-5400  
Facsimile: 314-231-4342

www.senniger.com

David L. Howard

August 25, 2003



## UTILITY PATENT APPLICATION TRANSMITTAL

(new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket Number: 128694/GETS 5311.1

First Named Inventor: Pieralli

Title: SYSTEM AND METHOD FOR DETECTING OBSTACLES WITHIN THE  
AREA OF A RAILROAD GRADE CROSSING USING A PHASE  
MODULATED MICROWAVE SIGNAL

Express Mail Label Number: EV 272755205 US

TO: Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

### APPLICATION ELEMENTS

1. ☒ Fee Transmittal Form  
(original and duplicate)
2. ☐ Applicant claims small entity status
3. ☒ Specification [Total Pages 25]
4. ☒ Drawings [Total Sheets 9]
5. Oath or Declaration [Total Pages    ]
  - a. ☐ Newly executed (original or copy)  
☐ New (unexecuted)
  - b. ☐ Copy from a prior application  
(for continuation/divisional with  
Box 19 completed)
    - i. ☐ DELETION OF INVENTOR(s)  
Signed statement attached  
deleting inventor(s) named  
in prior application.

6. ☐ Incorporation By Reference  
(useable if Box 5b is marked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
7. ☒ Application Data Sheet
8. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
9. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Form
- b. ☐ Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

10. ☐ Assignment Papers (cover sheet & document(s))
11. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
12. ☐ English Translation Document (if applicable)
13. ☒ IDS with PTO/SB/08A ☒ Copies of IDS Citations  
(not including US references)
14. ☐ Preliminary Amendment
15. ☒ Return Receipt Postcard
16. ☐ Request and Certification for Non-Publication. Form PTO/SB/35 is attached.
17. ☐ Certified Copy of Priority Document(s) if foreign priority is claimed
18. ☐ Other: \_\_\_\_\_

**IF A CONTINUING APPLICATION, CHECK APPROPRIATE  
BOXES AND SUPPLY THE REQUISITE INFORMATION**

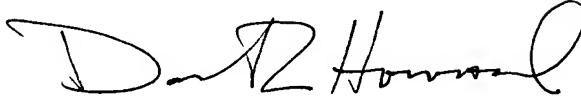
19. ☐ Continuation ☐ Divisional ☐ Continuation-in-Part  
of prior application No.: \_\_\_\_\_
- ☒ Complete Application based on provisional Application  
No. 60/405,490 filed August 23, 2002.

Prior application information: Examiner:  
Group Art Unit:

CORRESPONDENCE ADDRESS

20. Correspondence Address: Customer Number 321  
Attention: David L. Howard

Respectfully submitted,

A handwritten signature in black ink, appearing to read "D L Howard", with a large, stylized loop at the end.

David L. Howard, Reg. No. 41,502

DLH/k11

02527 U.S. PTO  
08/25/03

**FEE TRANSMITTAL**

Application Number FILED HERewith  
Filing Date FILED HERewith  
Inventor Pieralli  
Attorney Docket Number 128694/GETS 5311.1

**METHOD OF PAYMENT**

1. ☒ The Commissioner is hereby authorized to charge the indicated fees to Deposit Account No. 50-2145.
- ☒ The Commissioner is hereby authorized to charge any additional fees required under 37 CFR 1.16 and 1.17 to Deposit Account No. 50-2145.
- ☐ Applicant claims small entity status.
2. ☐ Check Enclosed. The Commissioner is hereby authorized to charge any under payment or credit any over payment to Deposit Account No. 50-2145.

**FEE CALCULATION**

1. ☒ BASIC FILING FEE Subtotal (1) \$ 750.00  
(Type: Non-Provisional)
2. ☒ EXTRA CLAIM FEES Subtotal (2) \$ 144.00  
Total Claims 28  
Independent Claims 2  
Multiple Dependent Claims \_\_\_\_\_
3. ☐ ADDITIONAL FEES Subtotal (3) \$ \_\_\_\_\_
  - ☐ Surcharge - late filing fee or oath
  - ☐ Surcharge - late provisional filing fee or cover sheet
  - ☐ Extension for reply within \_\_\_\_\_ month
  - ☐ Notice of Appeal
  - ☐ Filing a Brief in Support of an appeal
  - ☐ Request for ex parte Reexamination
  - ☐ Petitions to the Commissioner
  - ☐ Submission of Information Disclosure Statement
  - ☐ Recording each patent assignment per property
  - ☐ Request for Continued Examination
  - ☐ Other: \_\_\_\_\_

**TOTAL AMOUNT OF PAYMENT** \$ 894.00

David L. Howard  
David L. Howard, Reg. No. 41,502

8/25/03  
Date

DLH/k11

Express Mail Label No. EV 272755205 US